Correlation – are things associated? Do they “move together”??

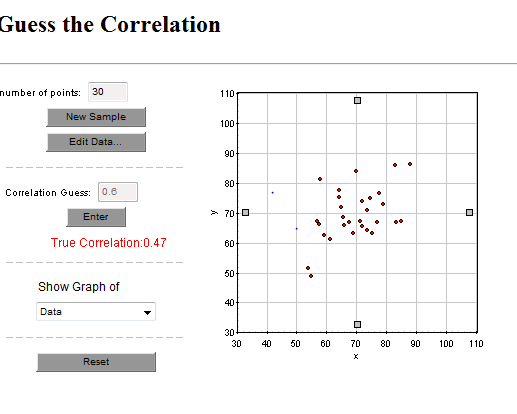
Correlation number (coefficient) goes from -1 to a +1

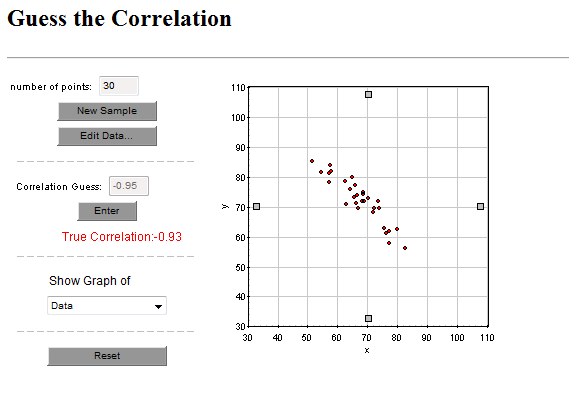
Negative 1 – “perfect” (a straight line) negative – ie move opposite.

Plus one - “perfect” (a straight line) positive – ie move TOGETHER

“Circle” – no relationship

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Practice “guessing correlations” at <http://statweb.calpoly.edu/chance/applets/guesscorrelation/GuessCorrelation.html> - I’d suggest changing # of points to 30-50. Use “RESET” for new set of data.

After you have done a few, using the snipping tool to capture 2 of the results – try to get both of your guesses within +/- 0.15 of the true correlation.